

IN THE CLAIMS

Replace the previous listing of claims with the following:

Claim 1 (currently amended): A web tension measurement device comprising:

    a roller for contacting a web of material, the roller having an axis of rotation, the axis being moveable in a first direction by the web and having a first position;

    a counteracting device connected to the roller, the counteracting device ~~for~~ forcing the roller in a second direction opposite the first direction; and

    a controller connected to the counteracting device for measuring the web tension, the controller for measuring the web tension and maintaining the roller in the first position.

Claim 2 (original): The web tension measurement device as recited in claim 1 wherein the roller is a liquid cooled roll.

Claim 3 (original): The web tension measurement device as recited in claim 1 wherein the counteracting device is a motor.

Claim 4 (original): The web tension measurement device as recited in claim 1 wherein the controller is a solid state device.

Claim 5 (original): The web tension measurement device as recited in claim 1 further comprising a plurality of lever arms, each lever arm mechanically linked to the counteracting device, the plurality of lever arms supporting the roller.

Claim 6 (original): The web tension measurement device as recited in claim 1 further comprising a pivot shaft mechanically linked to the counteracting device.

Claim 7 (original): The web tension measurement device as recited in claim 1 further comprising

a plurality of drive sprockets, each drive sprocket mechanically linked to the counteracting device.

Claim 8 (original): The web tension measurement device as recited in claim 7 further comprising a belt connected to at least one of the drive sprockets.

Claim 9 (original): The web tension measurement device as recited in claim 1 wherein the counteracting device has a shaft.

Claim 10 (currently amended): A method for measuring tension in a web comprising the steps of:

running a web over a roller, the roller having an axis movable in a first direction and having a first position;

counteracting the movement of the axis in a second direction opposite the first direction using a counteracting device; and

measuring a counteracting force or a variable using the counteracting device so as to be able to maintain the roller in the first position determine a web tension.

Claim 11 (original): The method for measuring tension as recited in claim 10 wherein the roller remains stationary.

Claim 12 (original): The method for measuring tension as recited in claim 10 wherein the roller is rotatable in a lever or lever arm about a pivot axis.

Claim 13 (original): The method for measuring tension as recited in claim 12 further including the step of moving the axis of the roller based on a web compensator algorithm.